

Nicholas Mattei

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

697
citations

759233

12
h-index

610901

24
g-index

38
all docs

38
docs citations

38
times ranked

427
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | How to teach computer ethics through science fiction. <i>Communications of the ACM</i> , 2018, 61, 54-64. | 4.5 | 114 |
| 2 | Ethical Considerations in Artificial Intelligence Courses. <i>AI Magazine</i> , 2017, 38, 22-34. | 1.6 | 85 |
| 3 | PrefLib: A Library for Preferences http://www.preflib.org . <i>Lecture Notes in Computer Science</i> , 2013, , 259-270. | 1.3 | 67 |
| 4 | Improving Natural Language Inference Using External Knowledge in the Science Questions Domain. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2019, 33, 7208-7215. | 4.9 | 51 |
| 5 | Building Ethically Bounded AI. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2019, 33, 9785-9789. | 4.9 | 37 |
| 6 | Incorporating Behavioral Constraints in Online AI Systems. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2019, 33, 3-11. | 4.9 | 25 |
| 7 | Bribery in voting with CP-nets. <i>Annals of Mathematics and Artificial Intelligence</i> , 2013, 68, 135-160. | 1.3 | 21 |
| 8 | Teaching AI agents ethical values using reinforcement learning and policy orchestration. <i>IBM Journal of Research and Development</i> , 2019, 63, 2:1-2:9. | 3.1 | 20 |
| 9 | Stable Matching with Uncertain Linear Preferences. <i>Algorithmica</i> , 2020, 82, 1410-1433. | 1.3 | 20 |
| 10 | Using Contextual Bandits with Behavioral Constraints for Constrained Online Movie Recommendation. , 2018, , . | | 18 |
| 11 | Strategyproof peer selection using randomization, partitioning, and apportionment. <i>Artificial Intelligence</i> , 2019, 275, 295-309. | 5.8 | 17 |
| 12 | A Natural Language Argumentation Interface for Explanation Generation in Markov Decision Processes. <i>Lecture Notes in Computer Science</i> , 2011, , 42-55. | 1.3 | 17 |
| 13 | Preferences and Ethical Principles in Decision Making. , 2018, , . | | 15 |
| 14 | Updates and Uncertainty in CP-Nets. <i>Lecture Notes in Computer Science</i> , 2013, , 301-312. | 1.3 | 15 |
| 15 | The complexity of probabilistic lobbying. <i>Discrete Optimization</i> , 2014, 11, 1-21. | 0.9 | 14 |
| 16 | A behavioral perspective on social choice. <i>Annals of Mathematics and Artificial Intelligence</i> , 2013, 68, 5-30. | 1.3 | 13 |
| 17 | On the complexity of bribery and manipulation in tournaments with uncertain information. <i>Journal of Applied Logic</i> , 2015, 13, 557-581. | 1.1 | 12 |
| 18 | Empirical Evaluation of Voting Rules with Strictly Ordered Preference Data. <i>Lecture Notes in Computer Science</i> , 2011, , 165-177. | 1.3 | 12 |

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|----|---|-----|-----------|
| 19 | The Complexity of Probabilistic Lobbying. Lecture Notes in Computer Science, 2009, , 86-97. | 1.3 | 11 |
| 20 | Stable Matching with Uncertain Linear Preferences. Lecture Notes in Computer Science, 2016, , 195-206. | 1.3 | 11 |
| 21 | A Study of Proxies for Shapley Allocations of Transport Costs. Journal of Artificial Intelligence Research, 0, 56, 573-611. | 7.0 | 11 |
| 22 | Fiction as an Introduction to Computer Science Research. ACM Transactions on Computing Education, 2014, 14, 1-14. | 3.5 | 10 |
| 23 | Fixing balanced knockout and double elimination tournaments. Artificial Intelligence, 2018, 262, 1-14. | 5.8 | 10 |
| 24 | Using multi-armed bandits to learn ethical priorities for online AI systems. IBM Journal of Research and Development, 2019, 63, 1:1-1:13. | 3.1 | 9 |
| 25 | A Systematic Classification of Knowledge, Reasoning, and Context within the ARC Dataset. , 2018, , . | | 9 |
| 26 | An English-Language Argumentation Interface for Explanation Generation with Markov Decision Processes in the Domain of Academic Advising. ACM Transactions on Interactive Intelligent Systems, 2013, 3, 1-30. | 3.7 | 7 |
| 27 | Stable matching with uncertain pairwise preferences. Theoretical Computer Science, 2022, 909, 1-11. | 0.9 | 7 |
| 28 | Beyond Theory and Data in Preference Modeling: Bringing Humans into the Loop. Lecture Notes in Computer Science, 2015, , 3-18. | 1.3 | 6 |
| 29 | Analysis of fixed and biased asset allocation rebalancing strategies. Managerial Finance, 2016, 42, 42-50. | 1.2 | 5 |
| 30 | Uniform Random Generation and Dominance Testing for CP-Nets. Journal of Artificial Intelligence Research, 0, 59, 771-813. | 7.0 | 5 |
| 31 | CPMetric: Deep Siamese Networks for Metric Learning on Structured Preferences. Lecture Notes in Computer Science, 2020, , 217-234. | 1.3 | 4 |
| 32 | Fairness in Deceased Organ Matching. , 2018, , . | | 3 |
| 33 | Lessons learned from development of a software tool to support academic advising. , 2014, , . | | 2 |
| 34 | Plasma thrusters development in France. Acta Astronautica, 2002, 51, 39-46. | 3.2 | 1 |
| 35 | Reports of the Workshops of the 32nd AAAI Conference on Artificial Intelligence. AI Magazine, 2018, 39, 45-56. | 1.6 | 1 |
| 36 | Behavioral Stable Marriage Problems. Lecture Notes in Computer Science, 2022, , 150-170. | 1.3 | 0 |